

WHAT IS CLAIMED IS:

1. A lighting assembly, comprising:
  - (a) a lighting fixture comprising a fixture electrical contact;
  - (b) a mounting member supporting said lighting fixture; and
  - (c) a cable, wherein said cable comprises a cable electrical contact, and said cable is fitted between said mounting member and said lighting fixture such that said fixture electrical contact is held in frictional contact with said cable electrical contact.
2. The lighting assembly of claim 1, wherein said mounting member comprises an elongated rail.
3. The lighting assembly of claim 2, further comprising a plurality of lighting fixtures supported by said rail, and wherein said cable comprises a plurality of cable electrical contacts, each of which is held in frictional contact with one of said fixture electrical contacts on said plurality of lighting fixtures.
4. The lighting assembly of claim 3, wherein said lighting fixtures are abutted end to end, said lighting fixtures are operable to produce a light, and said light from said lighting fixtures is uniform in intensity across said lighting fixtures.
5. The lighting assembly of claim 1, further comprising a power conditioning unit in electrical connection with said cable.
6. The lighting assembly of claim 5, wherein said lighting fixture comprises a plurality of lighting modules.

7. The lighting assembly of claim 6, wherein said lighting modules comprises at least two of the set of an LED operable to produce red light, an LED operable to produce green light, and an LED operable to produce blue light.

8. The lighting assembly of claim 1, wherein said cable electrical contact comprises a cable power contact, a cable ground contact, and a cable signal contact; said fixture electrical contact comprises a fixture power contact, a fixture ground contact, and a fixture signal contact; and said cable power contact is held in frictional contact with said fixture power contact; said cable ground contact is held in frictional contact with said fixture ground contact; and said cable signal contact is held in frictional contact with said fixture signal contact.

9. The lighting assembly of claim 1, wherein said cable comprises cable locking tabs, said mounting member comprises cut-outs, and said cable is locked into place within said mounting member by insertion of said cable locking tabs into said mounting member cut-outs.

10. The lighting assembly of claim 9, wherein said fixtures comprise locking pins, said mounting member comprises apertures sized to receive said fixture locking pins, and said fixtures are locked into place against said mounting member by insertion of said fixture pins into said mounting member apertures.

11. The lighting assembly of claim 8, wherein said fixture is operable to produce a light; and wherein said fixture comprises a controller, wherein said controller is operable to vary the intensity and color of the light produced by said fixture in response to a signal passed from said cable through said cable signal contact to said fixture signal contact.

12. The lighting assembly of claim 11, wherein said assembly comprises a plurality of light fixtures, and wherein the intensity and color of the light produced by each said light fixture is independently controllable by each said controller for each said light fixture.

13. The lighting assembly of claim 1, further comprising:

- (a) a communications network; and
- (b) a processor in electrical communication with said cable through said communications network.

14. The lighting assembly of claim 13, comprising a plurality of cables, and wherein said process is in electrical communication with each of said cables through said communications network.

15. A lighting network, comprising:

- (a) a processor;
- (b) an electronic communications network in electrical communication with said processor;
- (c) a power source;
- (d) a mounting member;
- (e) a flat cable in electrical communication with said electronic communications network and said power source, wherein said cable comprises a cable electrical contact; and
- (f) a lighting fixture, wherein said lighting fixture comprises a lighting fixture electrical contact and is removably attached to said mounting

member with said lighting fixture electrical contact in frictional contact with said cable electrical contact.

16. The lighting network of claim 15, wherein lighting fixture electrical contact is resilient, and said lighting fixture electrical contact is partially compressed against said cable electrical contact when said lighting fixture is attached to said mounting member.

17. The lighting network of claim 16, wherein said cable comprises two sides, said cable comprises a plurality of cable contacts, and wherein each of said cable contacts lies on the same side of said cable.

18. The lighting network of claim 17, wherein said cable comprises a plurality of cable contacts, said lighting network comprises a plurality of lighting fixtures, and said lighting fixture electrical contact of each of said lighting fixtures is in contact with at least one of said cable contacts.

19. The lighting network of claim 17, wherein said lighting fixture comprises a lighting fixture power contact and a lighting fixture data contact, and said cable comprises a cable power contact and a cable data contact.

20. The lighting network of claim 15, wherein said lighting fixture is operable to produce light, and said processor is operable to generate a control signal onto said electronic communications network, through said cable and to said lighting fixture to manipulate at least one of the intensity and color of the light.